

48 Gbit DDR4 FOR SPACE

3D4D48G48LB2825

KEY FEATURES

- 48 Gbit density
- x48 bits bus width
- Voltage :1.2 V
- Transfer data rate: 2400 MT/s
- Operating temperature range: -40°C to +105°C
- BGA 259, 30 x 22 x 6.4 mm³

RADIATION DATA

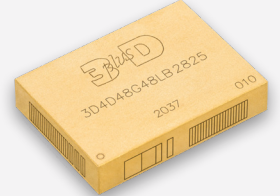
- TID > 100 krad(Si)
- SEL Immune up to LET > 60 MeV.cm²/mg
- SEU/SEFI protection/mitigation

AVAILABILITY

- EM: Q1 2021
- FM: Q3 2021

KEY BENEFITS

- Part of a [fully qualified DDR4 Ecosystem](#) that includes:
 - Memory Controller IP Core **3DIPMC0815-1**
 - DDR4 Termination regulator **3DPM0424-1**
- High longevity products and proven reliability in Space
- Ruggedized and fully validated complete DDR4 solution
- Significant board area savings
- Optimizes development time and costs



12 Mpx SPACE CAMERA HEAD

3DCM800

KEY FEATURES

- 12 Mpx global shutter CMOS image sensor
- B&W or Color configurations
- High end FPGA (500k logic cells)
- Integrated high performance memories
- Standards interfaces: GPIO, LVDS, JTAG

RADIATION DATA

- TID > 40 krad(Si)
- SEL/SET immune up to 60 MeV.cm²/mg

AVAILABILITY

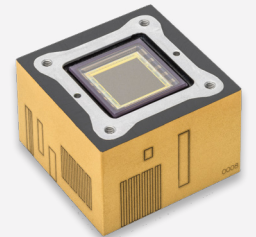
- EM: June 2021
- FM: Q2 2022

KEY BENEFITS

- Space qualified camera head
- Off-the-shelf solution
- All-in-one high performance architecture

SOFTWARES AND DEVELOPMENT TOOLS

- Standard flight code
- IP Cores: Sensor and memory controllers
- Evaluation kit



COMING VIRTUAL EVENTS



RADECS

Oct. 19- Nov. 20 2020



NSREC

Nov. 29 - Dec. 30 2020